

Attorney Docket No.: ISPH-0567
Inventors: Bennett et al.
Serial No.: 09/938,048
Filing Date: August 23, 2001
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The following listing of claims will replace all prior versions and listings of claims in this application.

Listing of Claims:

Claim 1 (currently amended): A method for identifying one or more genes involved in an inflammatory response by a cell, tissue or organism to an inflammatory stimulus comprising the steps of:

a) contacting cells, tissues or organisms which are capable of exhibiting a particular response inflammation in response to an to said inflammatory stimulus with a library of antisense oligonucleotides prior to treatment with said stimulus, wherein said antisense oligonucleotides are complementary to a gene encoding a cytokine or growth factor ; and

b) determining which antisense oligonucleotides within the library modulate said inflammatory response, wherein antisense oligonucleotides which modulate said inflammatory response correspond to gene products involved in said inflammatory response.

Claim 2 (original): The method of claim 1, wherein said cells are divided into one or more substantially identical subpopulations prior to contacting with said library of oligonucleotides, wherein

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each subpopulation is contacted with one member of said library of antisense oligonucleotides.

Claim 3 (canceled).

Claim 4 (currently amended): The method of ~~claim 3~~ claim 1, wherein said cytokine or growth factor is TNF- α , IL-1 or IFN- γ .

Claim 5 (currently amended): The method of claim 1, wherein said inflammatory response is secretion of a compound.

Claim 6 (original): The method of claim 5, wherein said compound is a cytokine or growth factor.

Claim 7 (currently amended): The method of claim 1, wherein said inflammatory response is modulation of expression of a cell surface protein.

Claim 8 (original): The method of claim 7, wherein said cell surface protein is a cell adhesion protein.

Claim 9 (canceled).

Claim 10 (currently amended): The method of claim 1, wherein said inflammatory response is inhibited.

Claim 11 (currently amended): The method of claim 1, wherein said inflammatory response is stimulated.

Claim 12 (original): The method of claim 1, wherein said response is a modulation of apoptosis or cell cycle profile.

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Claim 13 (original): The method of claim 1, wherein said response is modulation of angiogenesis.

Claim 14 (original): The method of claim 1, wherein said response is modulation of insulin signaling, glycogenolysis or adipocyte differentiation.

Claims 15-29 (canceled).